NANO FLEX

Nano Flex is a large 24V flexible silicone grazer tube. Available in three dimmable Static White CCTs and nine beam angle options, this IP67 grazer is compatible with 0-10V, ELV/MLV, DMX or Casambi controls. Or select our special pixel programmable Nano Flex model and use SPI controls to create unique patterns and light fading sequences. Dual bending capabilities (side- and top-bending!) make any Nano Flex an amazing solution for complex grazer applications in hospitality, landscape or architectural settings. Choose from end, side or bottom power feed.

- 7.6 W/ft (25 W/m)
- 3 Static White CCTs (2700K, 3000K, 4000K)
- 800 lm/ft (2625 lm/m) at 4000K
- Choose from 0-10V, ELV/MLV, DMX or Casambi controls OR use SPI controls with our pixel models
- Programmable pixels: 6 LEDs/9.84 in. (250 mm)
- 1.64 in. (41.67 mm) LED spacing
- 16 ft 4.85 in. (5 m) max. fixture length (single feed)
- 5.9 in. (150 mm) minimum bending radius
- Beam angles: 10x10°, 15x15°, 20x20°, 25x25°, 30x30°, 40x40°, 50x50°, 25x50°, 45xAsymmetric 30°
- Available in white or black housing
- Use with mounting clip, mounting channel, curved mounting channel, tiltable stand

Black or White housing

UL   CE   **RoHS**   **IP67**   **IK07**

ORDERING GUIDE

Category	CRI	IP Rating	Wattage	CCT	Beam Angles	Housing Color	Power Feed	Control*
NANOFLEX	80	67	7.6					
NANOFLEX - Nano Flex	**80** - 80+ CRI	**67** - IP67	**7.6** - 7.6 W/ft (25 W/m)	**27** - 2700K	**10** - 10x10°	**WH** - White	**B** - Bottom Feed	**S** - SPI
				30 - 3000K	**15** - 15x15°	**BK** - Black	**S** - Side Feed	
* For SPI models only				**40** - 4000K	**20** - 20x20°		**E** - End Feed	
					25 - 25x25°			
					30 - 30x30°			
					40 - 40x40°			
					50 - 50x50°			
					2550 - 25x50°			
					45A30 - 45xAsymmetric 30°			

ACCESSORIES (see page 2 for details)

1. Mounting Clip
Recommended for curved applications
Part #: NANOFLEXCLIP

2. Mounting Channel
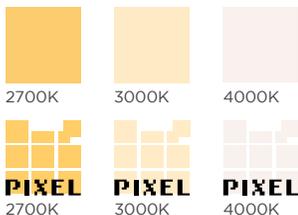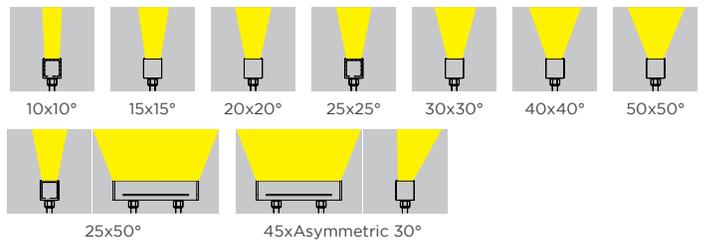Recommended for all straight run applications
Part #: NANOFLEXCHANNEL

3. Curved Mounting Channel
Recommended for curved applications
Part #: NANOFLEXCHANNELS

4. Tiltable Stand
Use with mounting clips or mounting channels
Part #: NANOFLEXTILTSTAND

AVAILABLE COLOR TEMPERATURES

2700K   3000K   4000K

PIXEL 2700K   PIXEL 3000K   PIXEL 4000K

AVAILABLE BEAM ANGLES

10x10°   15x15°   20x20°   25x25°   30x30°   40x40°   50x50°

25x50°   45xAsymmetric 30°

USAGE GUIDELINES

Nano Flex grazers cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a voided warranty.

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SPECIFICATIONS

Operating Voltage	24 VDC
Power Consumption	7.6 W/ft (25 W/m)
Protection Rating	IP67
Impact Rating	IK07
Color Temperature	2700K, 3000K, 4000K
Control	0-10V, ELV/MLV, DMX, DALI and CASAMBI controls for static white OR SPI controls for SPI version
IC Code (for SPI only)	UCS2904
LED Quantity	7 LEDs/ft (24 LEDs/m)
LED Spacing	1.64 in. (41.67 mm)
Lumens	800 lm/ft (2625 lm/m) @ 4000K
Efficacy	105 lm/W @ 4000K
Beam Angle	10x10°, 15x15°, 20x20°, 25x25°, 30x30°, 40x40°, 50x50°, 25x50°, 45xAsymmetric 30°
Storage Temperature	-4 — 140 °F (-20 — 60 °C)
Operating Temperature	-4 — 113 °F (-20 — 45 °C)
Max. Fixture Length	16 ft 4.85 in. (5 m)
Max. Serial Fixture Run Length	196 ft 10.2 in. (60 m) for data connections. Each fixture requires its own power feed.
Incremental Length	9.84 in. (250 mm) **NOT FIELD CUTTABLE**
Minimum Bend Radius	5.9 in. (150 mm)
CRI	80+ CRI
Lifetime (L70 reported)	50,000 hours
Warranty	5 years

MOUNTING ACCESSORIES

1. Mounting Clip

Part #: NANOFLEXCLIP

Front View
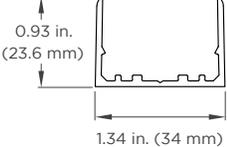
Top View

0.93 in. (23.6 mm)
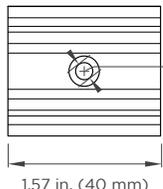
1.34 in. (34 mm)

0.18 in. (4.5 mm)

1.57 in. (40 mm)

2. Mounting Channel
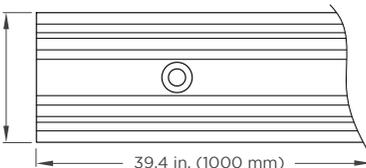
Length up to 39.4 in. (1 m)
Part #: NANOFLEXCHANNEL

Front View
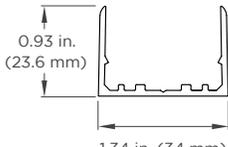
Top View
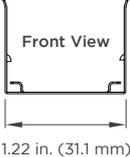
0.93 in. (23.6 mm)

1.34 in. (34 mm)

39.4 in. (1000 mm)

3. Curved Mounting Channel

Length up to 39.4 in. (1 m)
Part #: NANOFLEXCHANNELS

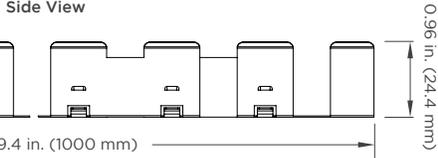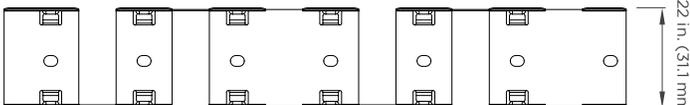Front View

0.96 in. (24.4 mm)

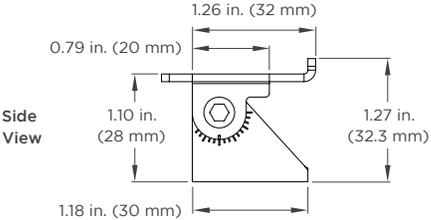1.22 in. (31.1 mm)

Side View

39.4 in. (1000 mm)

Top View

0.96 in. (24.4 mm)

1.22 in. (31.1 mm)

4. Tiltable Stand

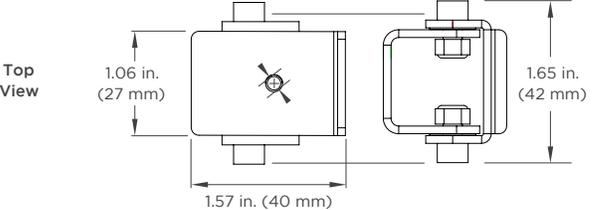Use with mounting clips or channels
Part #: NANOFLEXTILTSTAND

1.26 in. (32 mm)

0.79 in. (20 mm)
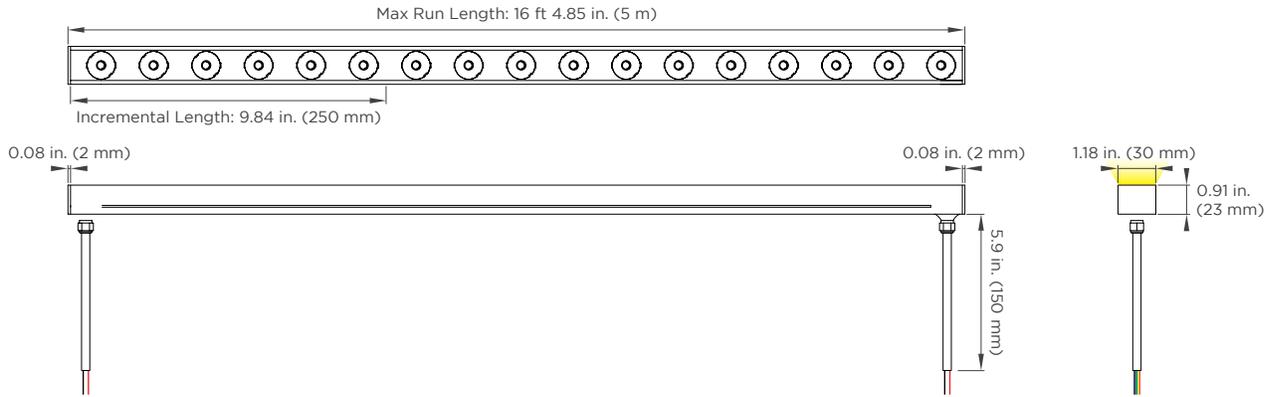
Side View

1.10 in. (28 mm)

1.27 in. (32.3 mm)

1.18 in. (30 mm)

Top View
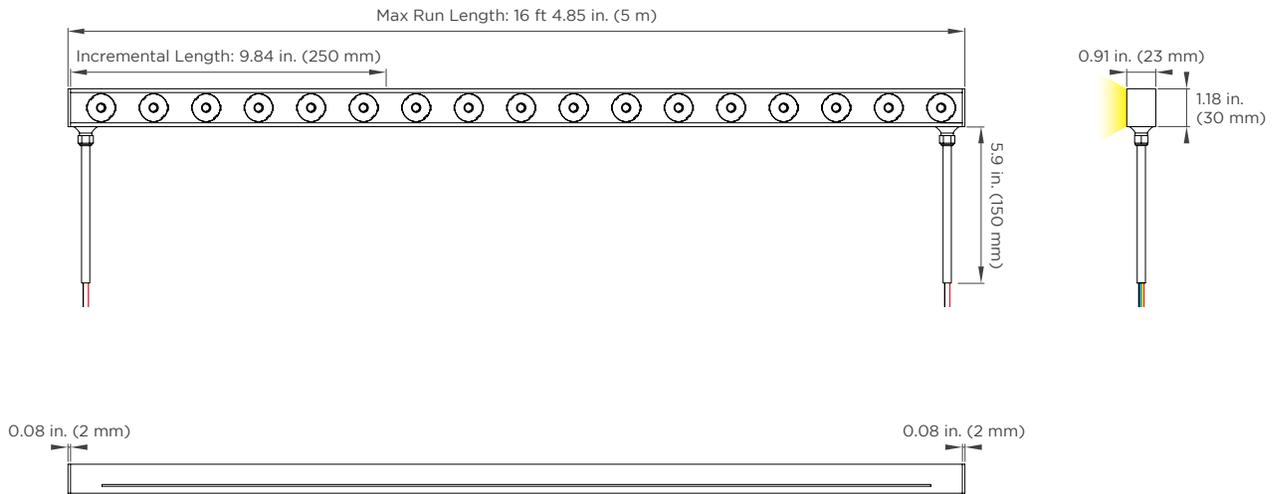
1.06 in. (27 mm)

1.65 in. (42 mm)
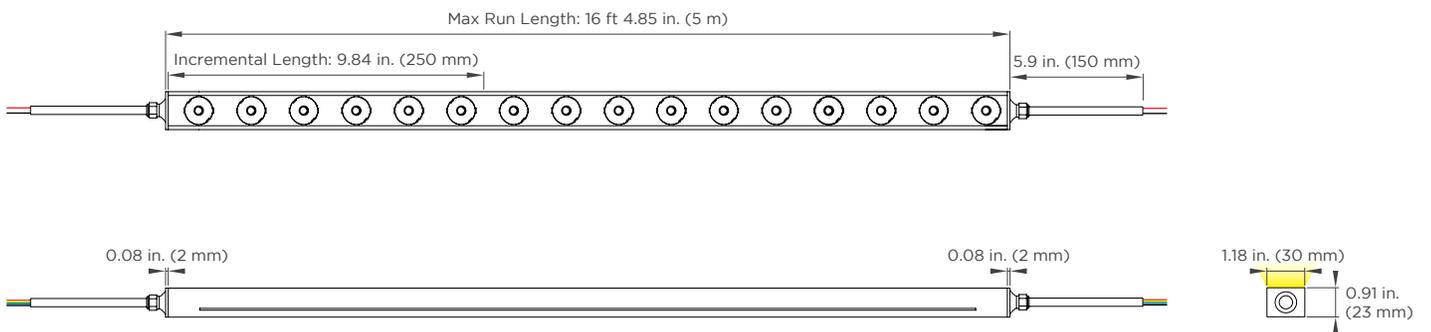
1.57 in. (40 mm)

DIMENSIONS & POWER FEED OPTIONS

BOTTOM FEED (MOLDED END CAP)

Max Run Length: 16 ft 4.85 in. (5 m)

Incremental Length: 9.84 in. (250 mm)

0.08 in. (2 mm)

0.08 in. (2 mm)

1.18 in. (30 mm)

0.91 in. (23 mm)

5.9 in. (150 mm)

SIDE FEED WITH MOLDED END CAP

Max Run Length: 16 ft 4.85 in. (5 m)

Incremental Length: 9.84 in. (250 mm)

0.91 in. (23 mm)

1.18 in. (30 mm)

5.9 in. (150 mm)

0.08 in. (2 mm)

0.08 in. (2 mm)

END FEED

Max Run Length: 16 ft 4.85 in. (5 m)

Incremental Length: 9.84 in. (250 mm)

5.9 in. (150 mm)

0.08 in. (2 mm)

0.08 in. (2 mm)

1.18 in. (30 mm)

0.91 in. (23 mm)

WIRING DIAGRAMS

Max. fixture length: 16 ft 4.85 in. (5 m)

Max. serial fixture run length: 196 ft 10.2 in. (60 m) for data connections. Each fixture requires its own power feed.

Note: In SPI installations, connecting wires between fixtures must not exceed 6 ft 6.74 in. (2 m).
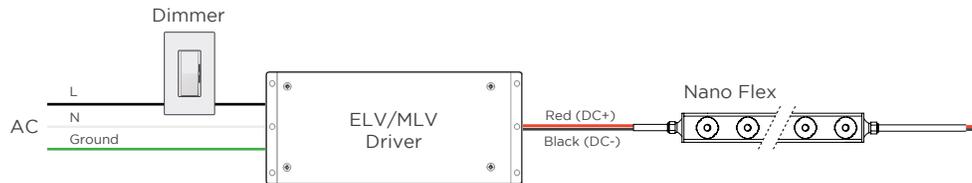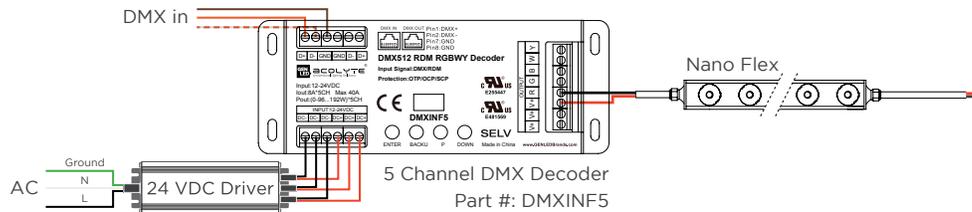
0-10V

MLV / ELV

DMX

SPI
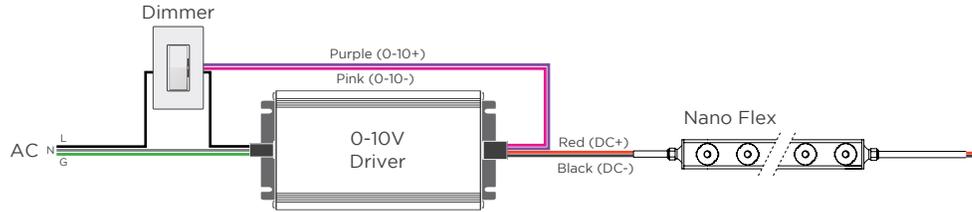
WIRE COLORS

STATIC WHITE
Red Wire (+) Positive
Black Wire (-) Negative

PIXEL (SPI)
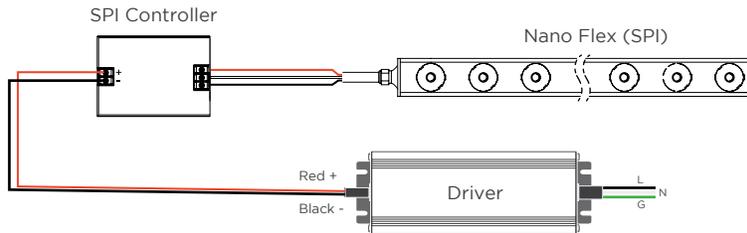Red Wire (+) Positive
Black Wire (-) Negative
White Wire (SPI) Data

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